

Application No.: 10/063,559

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-18 (Canceled)

Claim 19 (Previously Presented) A method for providing information related to one or more probe sets, wherein each probe-set has one or more identifiers comprising:

receiving a first set of one or more of the probe-set identifiers, wherein each probe-set is capable of the identification of a biological molecule;
correlating the first set of probe-set identifiers with a first set of one or more data;
correlating each of the first set of data with a second set of one or more data; and
providing the second set of data to a user.

Claims 20 – 48 (Canceled)

Claim 49 (Currently Amended) A system for providing information related to one or more probe sets, comprising:

an input manager for receiving one or more probe-set identifiers associated with one or more probe sets;
a determiner for correlating the probe-set identifiers with a first set of data; and
a correlator for correlating the first set of data with a second set of data;

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wherein the probe-set identifiers include one or more of accession number, manufacturer-defined probe set identifier, biological sequence, or annotation term, and further wherein the first set of data includes biological sequence or structure data, and still further wherein the second set of data includes a probe-set identifier or protein information.

Claim 50 (Previously Presented) The system of claim 49, wherein:

the protein information includes biological process, molecular function, or cellular location information.

Claim 51 (Currently Amended) The system of claim 50, wherein:

the protein information includes information related to protein domain, sequence homology, complex membership, pathway, biological system role, or interaction with other proteins or biological molecules.

Claims 52 – 60 (Canceled)

Claim 61 (Previously Presented) The method of claim 19, wherein:

the probe-set identifiers include one or more of accession number, manufacturer-defined probe-set identifier, biological sequence, or annotation term.

Claim 62 (Currently Amended) The method of claim 19, wherein:

the first set of data includes biological sequence or structure data.

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Claim 63 (Currently Amended) The method of claim 19, wherein:

the second set of data includes a probe set identifier or protein information.

Claim 64 (Previously Presented) The method of claim 63, wherein:

the protein information includes biological process, molecular function, or cellular location information.

Claim 65 (Currently Amended) The method of claim 64, wherein:

the protein information includes information related to protein domain, sequence homology, complex membership, pathway, biological system role, or interaction with other proteins or biological molecules.

Claim 66 (Previously Presented) The system of claim 49, further comprising:

an output manager constructed and arranged to provide the second set of data to the user.